

Fig. 3: A test pedestal with damping pads

the base of the pedestal is bolted to the top plate of the pad. The damping pad at the top also consists of three stainless steel plates of 10" diameter joined with Anatrol 217 films. This damping pad is installed by bolting its lower 1/2" thick plate to the top support plate of the pedestal. The magnet core weighing 83 lb is supported on the upper 1/8" thick plate.

4. Test Results

In the first test the magnet response was measured for the three pedestals without damping pads. The PSD plots (Fig. 4) for the displacements show peaks at

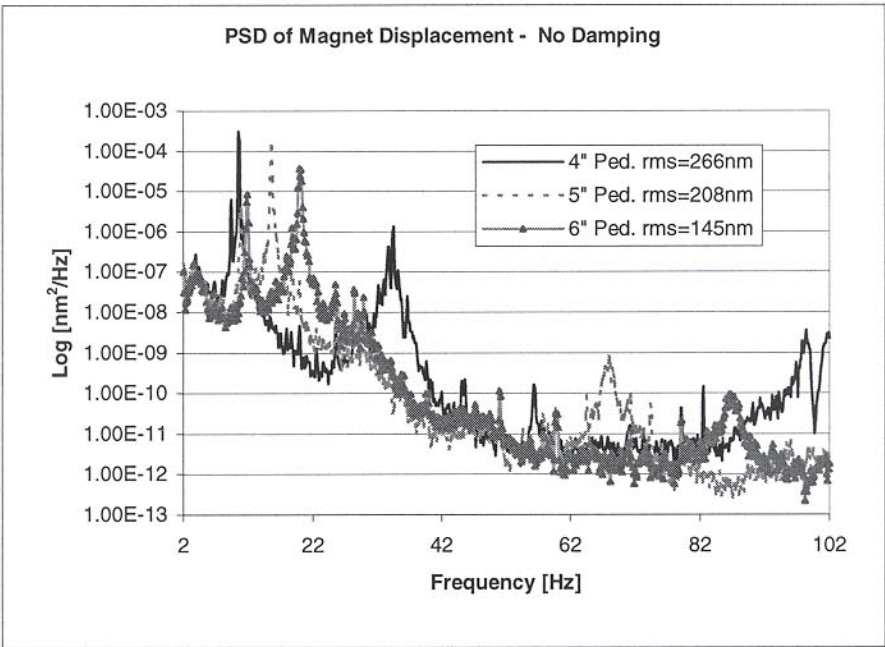


Fig. 4: Magnet response to the ground motion - undamped pedestals.